

PTO/SB/08A (08-03)

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/002,469	
			Filing Date	November 14, 2001	
			First Named Inventor	Kauffman, Marc W.	
			Art Unit	2122	
			Examiner Name	Not yet assigned	
Sheet	1	of	1	Attorney Docket Number	019396-002100US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JD	AA	US-2003/0061619 A1	03-27-2003	Giammaressi	
	AB	US-			
	AC	US-			
	AD	US-			
	AE	US-			
	AF	US-			
	AG	US-			
	AH	US-			
	AI	US-			
	AJ	US-			

RECEIVED
DEC 22 2003
Technology Center 2100

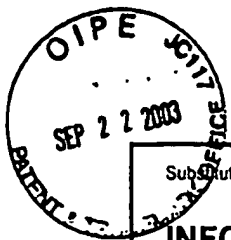
FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
JD	AK	PCT	WO 00/64174	A1	10-26-2000	DIVA SYSTEMS CORPORATION		<input type="checkbox"/>
	AL							<input type="checkbox"/>
	AM							<input type="checkbox"/>
	AN							<input type="checkbox"/>
	AO							<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AP		
	AQ		
	AR		
	AS		
	AT		

Examiner Signature	<i>[Signature]</i>	Date Considered	02/7/05
-----------------------	--------------------	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (08-03)

Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/002,469
		Filing Date	November 14, 2001
		First Named Inventor	Kauffman, Marc W.
		Art Unit	2122
		Examiner Name	
Sheet 1	of 1	Attorney Docket Number	019396-002100US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
KD	A1	US-5,805,804	09-08-1998	Laursen et al.	
KD	A2	US-5,920,700	07-06-1999	Gordon et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	B1							<input type="checkbox"/>
	B2							<input type="checkbox"/>
	B3							<input type="checkbox"/>
	B4							<input type="checkbox"/>
	B5							<input type="checkbox"/>
	B6							<input type="checkbox"/>
	B7							<input type="checkbox"/>
	B8							<input type="checkbox"/>

RECEIVED

SEP 24 2003

Technology Center 2100

Examiner Signature	<i>Kauffman</i>	Date Considered	02/07/05.
-----------------------	-----------------	--------------------	-----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
60043182 v1



PTO/SB/08B (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO		Complete if Known	
		Application Number	10/002,469
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	November 14, 2001
		First Named Inventor	Kauffman, Marc W.
		Art Unit	2122
		Examiner Name	Unassigned
		Attorney Docket Number	019396-002100US
Sheet	1	of	1

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
LD	AA	US-5,819,424	04-08-1997	Cookson, et al.	
LD	AB	US-5,823,424	04-22-1997	Azadegan, et al.	
LD	AC	US-5,684,714	11-04-1997	Yogeshwar, et al.	
LD	AD	US-5,898,693	04-27-1999	Vecchi, et al.	
LD	AE	US-5,819,004	10-08-1998	Azadegan, et al.	
LD	AF	US-6,026,232	02-15-2000	Yogeshwar, et al.	
LD	AG	US-6,028,448	02-15-2000	Ostrover, et al.	
LD	AH	US-6,044,398	03-28-2000	Adams	
LD	AI	US-6,341,309 B1	01-22-2002	Vaid, et al.	
LD	AJ	US-6,424,657 B1	07-23-2002	Voit, et al.	
LD	AK	US-2002/0026845 A1	02-28-2002	Son, et al.	
LD	AL	US-2002/0108117 A1	08-08-2002	Sedlak, et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	AM		1111			1111	1111	<input type="checkbox"/>
	AN		1111			1111	1111	<input type="checkbox"/>
	AO		1111			1111	1111	<input type="checkbox"/>
	AP		1111			1111	1111	<input type="checkbox"/>
	AQ		1111			1111	1111	<input type="checkbox"/>

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AR		
	AS		

Examiner Signature		Date Considered	02/7/05.
-----------------------	--	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.
DE 7096371 v1



PTO/SB/08B (10-01)



Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/002,469
		Filing Date	November 14, 2001
		First Named Inventor	Kauffman, Marc W.
		Art Unit	2122
		Examiner Name	Unassigned
Sheet 1 of 1	Attorney Docket Number	019396-002100US	

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
B	AA	US-5,771,435	06-23-1998	Brown	
AB	AB	US-5,802,448	09-01-1998	Brown, et al.	
AC	AC	US-5,822,530	10-13-1998	Brown	
AD	AD	US-			
AE	AE	US-			
AF	AF	US-			
AG	AG	US-			
AH	AH	US-			
AI	AI	US-			
AJ	AJ	US-			

RECEIVED

FEB 24 2003

Technology Center 2100

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)			
	AK					
	AL					
	AM					
	AN					
	AO					

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AP		
	AQ		
	AR		

Examiner Signature		Date Considered	02/27/05
-----------------------	--	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.
DE 7095149 v1

Please type a plus sign (+) inside this box



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

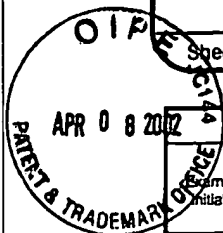
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/002,469
Filing Date	November 14, 2001
First Named Inventor	Kauffman, Marc W.
Group Art Unit	2122
Examiner Name	
Attorney Docket Number	019396-002100US

Sheet 1 of 2



U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
ED	AA	5,563,648		Menand, et al.	10-08-1996	
ED	AB	5,619,249		Billock, et al.	04-08-1997	
ED	AC	6,101,180		Donahue, et al.	08-08-2000	
ED	AD	6,108,703		Leighton, et al.	08-22-2000	
ED	AE	6,112,239		Kenner, et al.	08-29-2000	
ED	AF	6,154,744		Kenner, et al.	11-28-2000	
ED	AG	6,185,598	B1	Farber, et al.	02-08-2001	
ED	AH	6,229,895	B1	Son, et al.	05-08-2001	
ED	AI	6,233,389	B1	Barton, et al.	05-15-2001	
ED	AJ	6,240,553	B1	Son, et al.	05-29-2001	
ED	AK	6,288,738	B1	Dureau, et al.	09-11-2001	
ED	AL	6,310,886	B1	Barton	10-30-2001	
ED	AM	6,314,575	B1	Billock, et al.	11-08-2001	
	AN					
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					

RECEIVED

APR 09 2002

Technology Center 2100

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^o
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
ED	AU	PCT	WO 98/40831	A1	Inter Vu, Inc.	09-17-1998		
ED	AV	PCT	WO 98/53411	A1	Inter Vu, Inc.	11-26-1998		
ED	AW	PCT	WO 00/77683	A2	Entera, Inc.	12-21-2000		
ED	AX	PCT	WO 00/77985	A1	Entera, Inc.	12-21-2000		
ED	AY	PCT	WO 00/77986	A2	Entera, Inc.	12-21-2000		
ED	AZ	PCT	WO 00/78000	A2	Entera, Inc.	12-21-2000		
ED	BA	PCT	WO 00/79730	A2	Digital Island, Inc.	12-28-2000		

Examiner Signature	<i>Kauffman</i>	Date Considered	2/7/02
-----------------------	-----------------	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DE 7066976 v1

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/002,469
		Filing Date	November 14, 2001
		First Named Inventor	Kauffman, Marc W.
		Group Art Unit	2122
		Examiner Name	
		Attorney Docket Number	019396-002100US

RECEIVED

APR 08 2002

Technology Center 2100

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite Number	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BD	BB	Allan Leinwand, <i>A Distributed-Star Overnet For Global Business Applications</i> , IEEE Globecom 1998, Sydney, November 8-12, 1998, Vol. 2, pgs. 1291-1296. #	
BC	BC	<i>Detail-Rich, Multimedia Streaming Solution</i> , Mirror Image Internet, Inc., www.mirror-image.com, (2000) 2 pages. #	
BD	BD	Geoff Huston, Telstra, <i>Web Caching</i> , Cisco Systems, Inc., downloaded on 10/05/00 from website: http://www.cisco.com/warp/public/759/ipj_2-3/ipj_2-3_webcaching.html , pgs. 1-24. #	
BE	BE	Geoff Huston, <i>Internet Performance Survival Guide QoS Strategies for Multiservice Networks</i> , Wiley Computer Publishing, John Wiley & Sons, Inc., New York, NY, (2000) pgs. 258-259, 276-277, 449-452. #	
BF	BF	<i>How FreeFlow Works</i> (2 pages), <i>Content Delivery</i> (1 page), <i>FreeFlow Benefits</i> (1st page only of 2), <i>Reporting</i> (1 page) and <i>Edge Advantage</i> (1 page), Akamai Technologies, Inc., http://www.akamai.com/html/sv/code_ffhow.html , September 12, 2000. #	
BG	BG	H. Schulzrinne, et al., <i>Real Time Streaming Protocol (RTSP)</i> , Network Working Group, Request for Comments: 2326, (April 1998), pp. 1-92. #	
	BH		
	BI		
	BJ		
	BK		
	BL		

Examiner Signature		Date Considered	2/1/02
--------------------	--	-----------------	--------

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Unique citation designation number. ³ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DE 7066976 v1